

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6165 - L2 Version 002
Chandra X-Ray Center

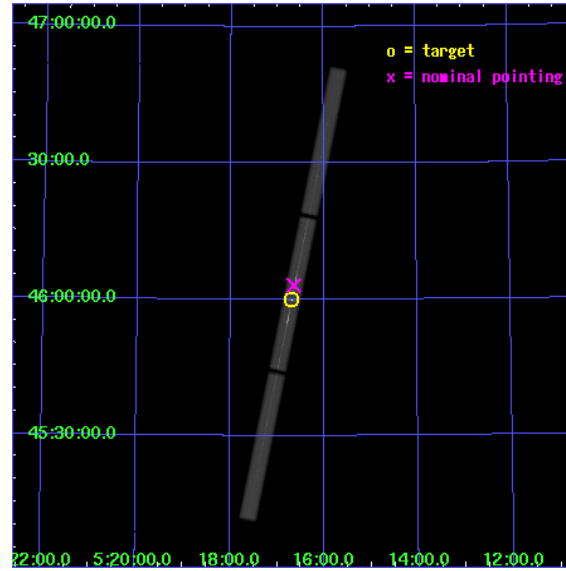
L2 Processing Date : Mar 31 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Gratings	17
3.1	LETG Arm	17
A	Summary	19
A.1	Status	19
A.2	Comments	19

1 Front

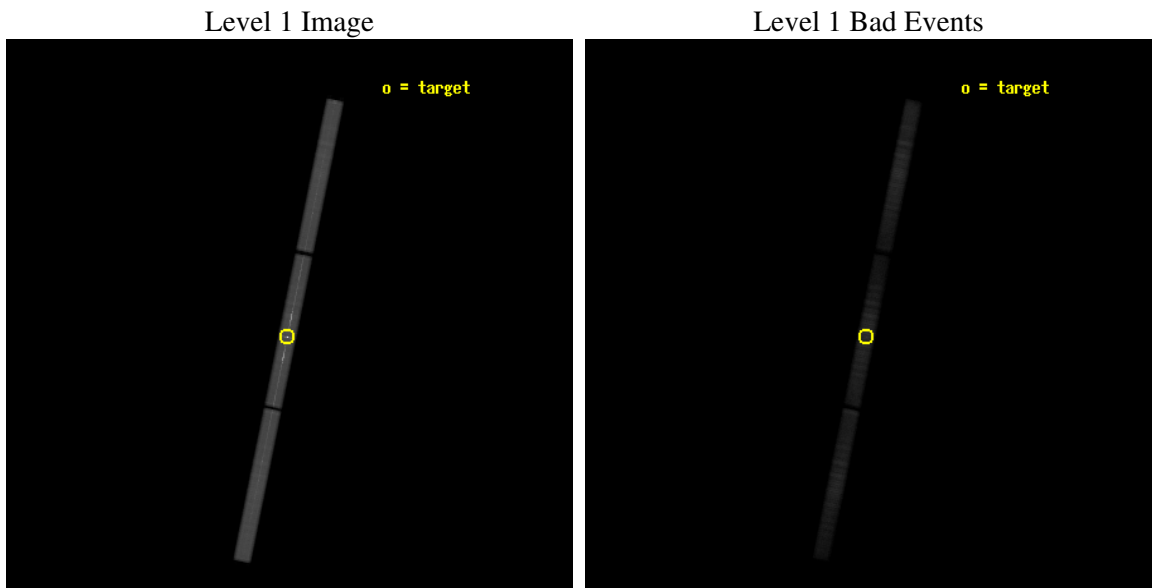
seq_num	290537
obs_id	6165
title	AO6 Calibration Observations of Capella
observer	Dr. CXC Calibration
object	Capella
ra_targ	79.17625
dec_targ	45.997889
ra_nom	79.160774916428
dec_nom	46.0514445452
roll_nom	101.53126222251
revision	2
ontime	29172.782592416
livetime	28939.066610392
l2events	1979824



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-03-31T15:39:03
revision	2

sched_exp_time	29000.000000
ontime	29173.551342428
l1events	2794110

2.1.3 Events

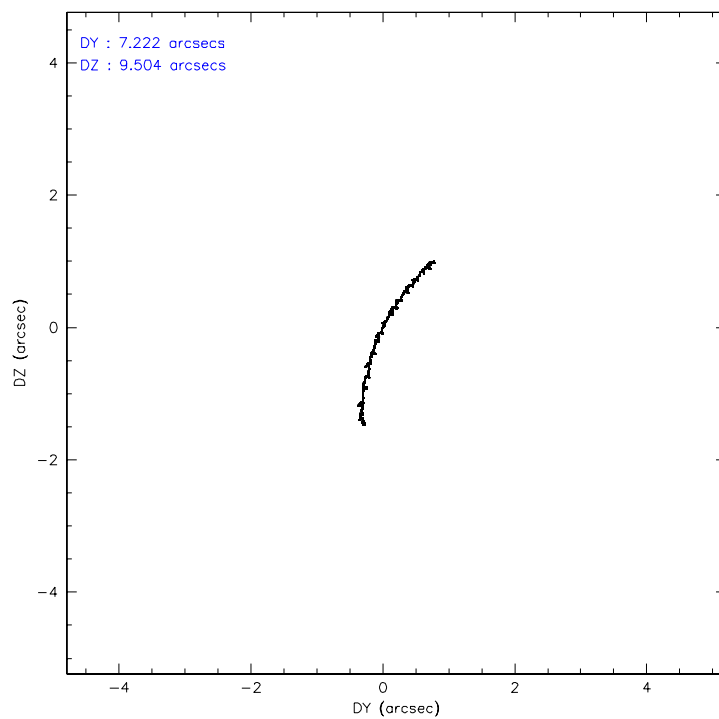
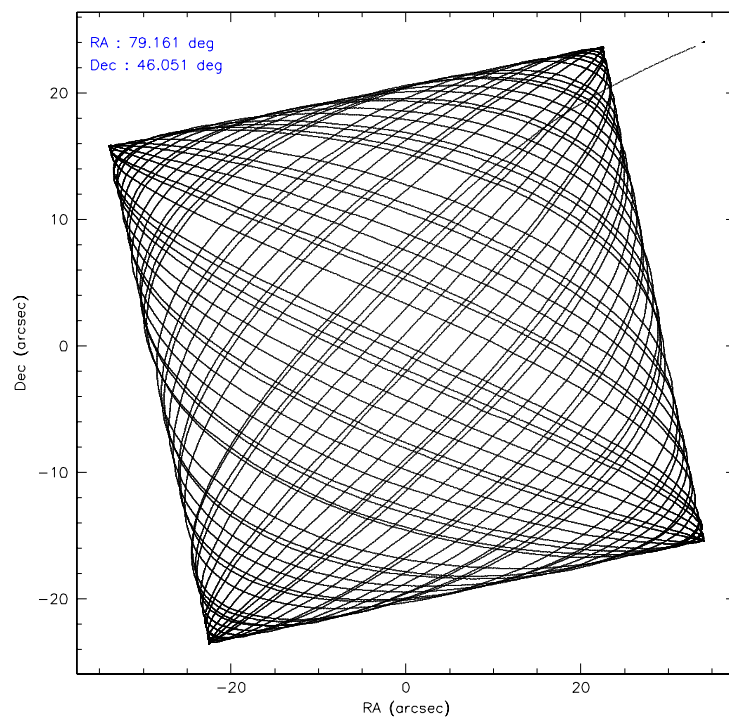
Level 1 Events

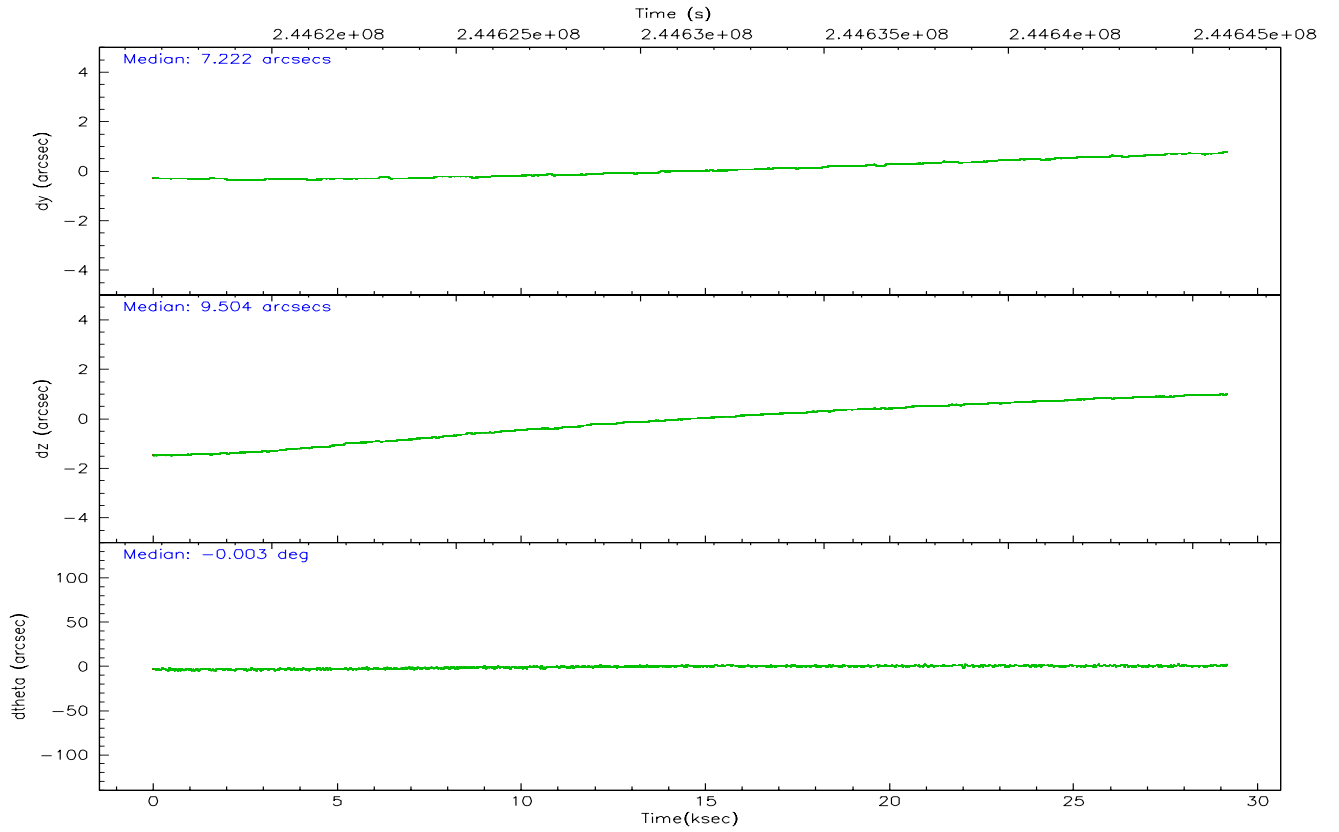
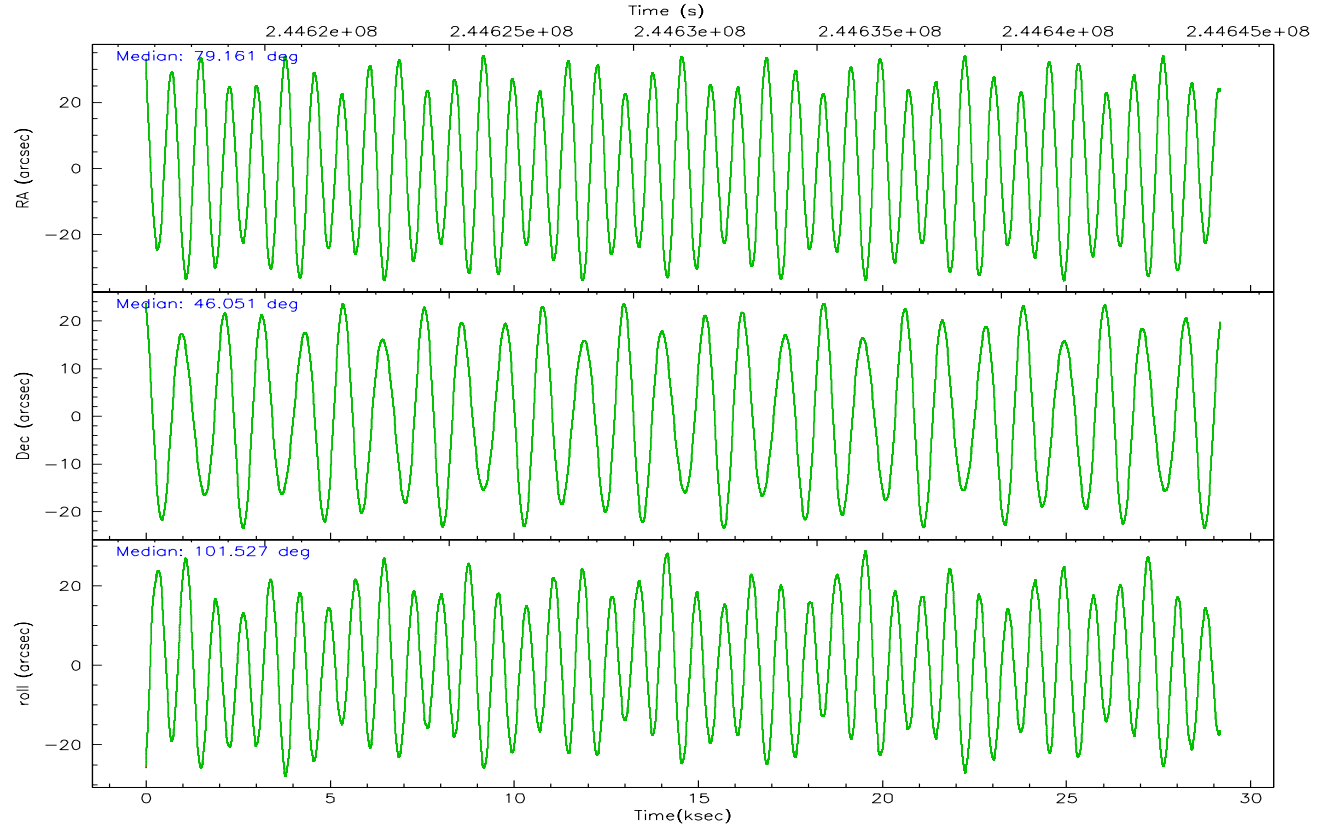
	segment 1	segment 2	segment 3
level 1 events	882891	1045948	865271
rejected events	180954	197430	213053
rejected %	20%	18%	24%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	79.189603	79.16077491642783			
Pointing Dec	46.031056	46.05144454519971			
Pointing Roll	101.443171	101.5312622225077			
Window start time	244512064.184000	244512064.184000			
Window stop time	257472065.184000	257472065.184000			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.4635187648994			
SIM translation stage offset (mm)	0	-0.007540371344731511			
Observation start time	244616940.184000	244616046.42878			
Observation start date	2005-10-02T05:07:56	2005-10-02T04:54:06			
Observation end time	244645940.184000	244646661.64268			
Observation end date	2005-10-02T13:11:16	2005-10-02T13:24:21			

2.3 Aspect



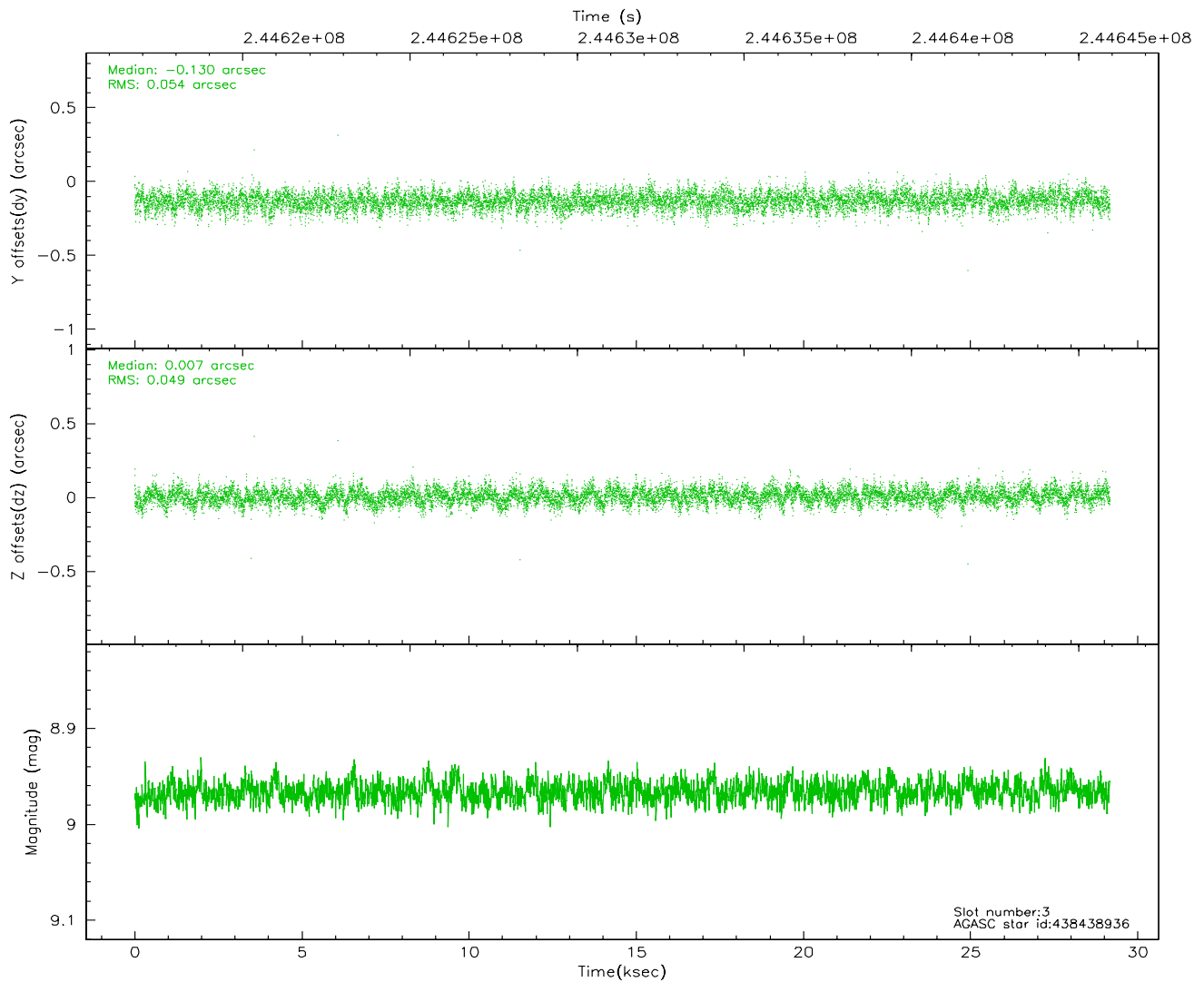
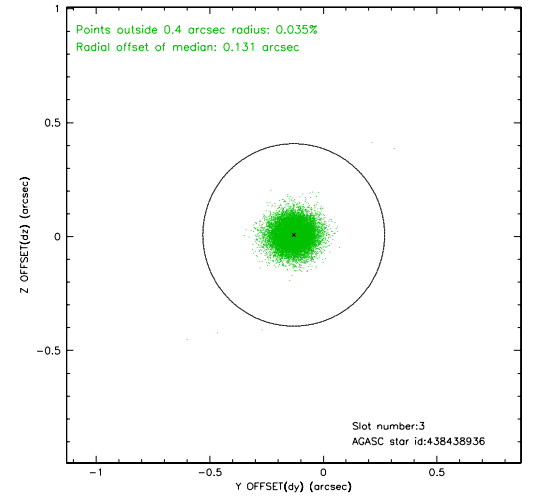
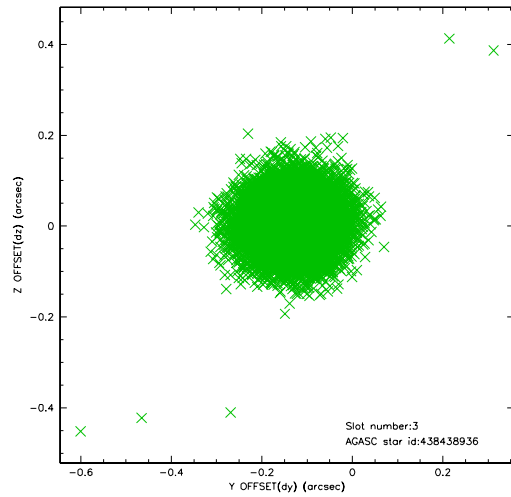


Slot Statistics

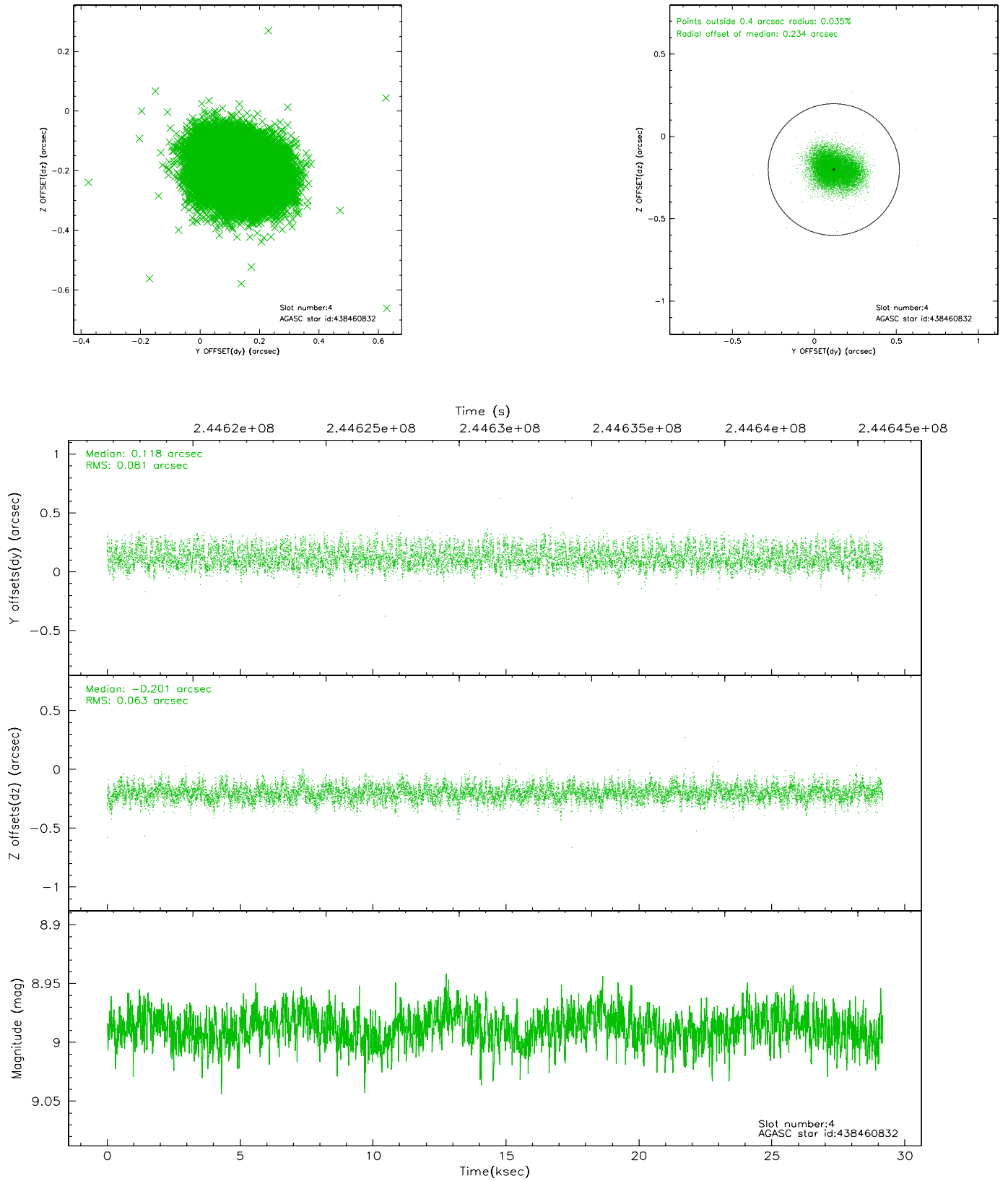
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	7115	0.130	-0.188	0.024	0.061	0.000000	0.000000	-1161.45	-458.01
1	FID	HRC-S-2	7.03	7116	0.177	-0.121	0.007	0.010	0.000000	0.000000	1238.11	-450.67
2	FID	HRC-S-3	7.04	7116	0.083	0.007	0.026	0.067	0.000000	0.000000	-1164.04	571.63
3	GUIDE	438438936	8.97	14230	-0.130	0.007	0.076	0.125	78.241026	46.550197	2311.47	1928.49
4	GUIDE	438460832	8.99	14224	0.118	-0.201	0.109	0.174	78.414614	45.554782	-1283.49	2252.90
5	GUIDE	440149808	8.47	14225	-0.057	-0.019	0.068	0.109	78.873930	46.405955	1479.87	500.25
6	GUIDE	440163960	8.89	14223	0.055	0.286	0.085	0.141	79.298370	45.827072	-773.21	-121.60
7	GUIDE	440164960	8.29	14192	0.008	-0.069	0.072	0.119	79.132526	46.140947	415.96	61.00

2.4 Star Slots

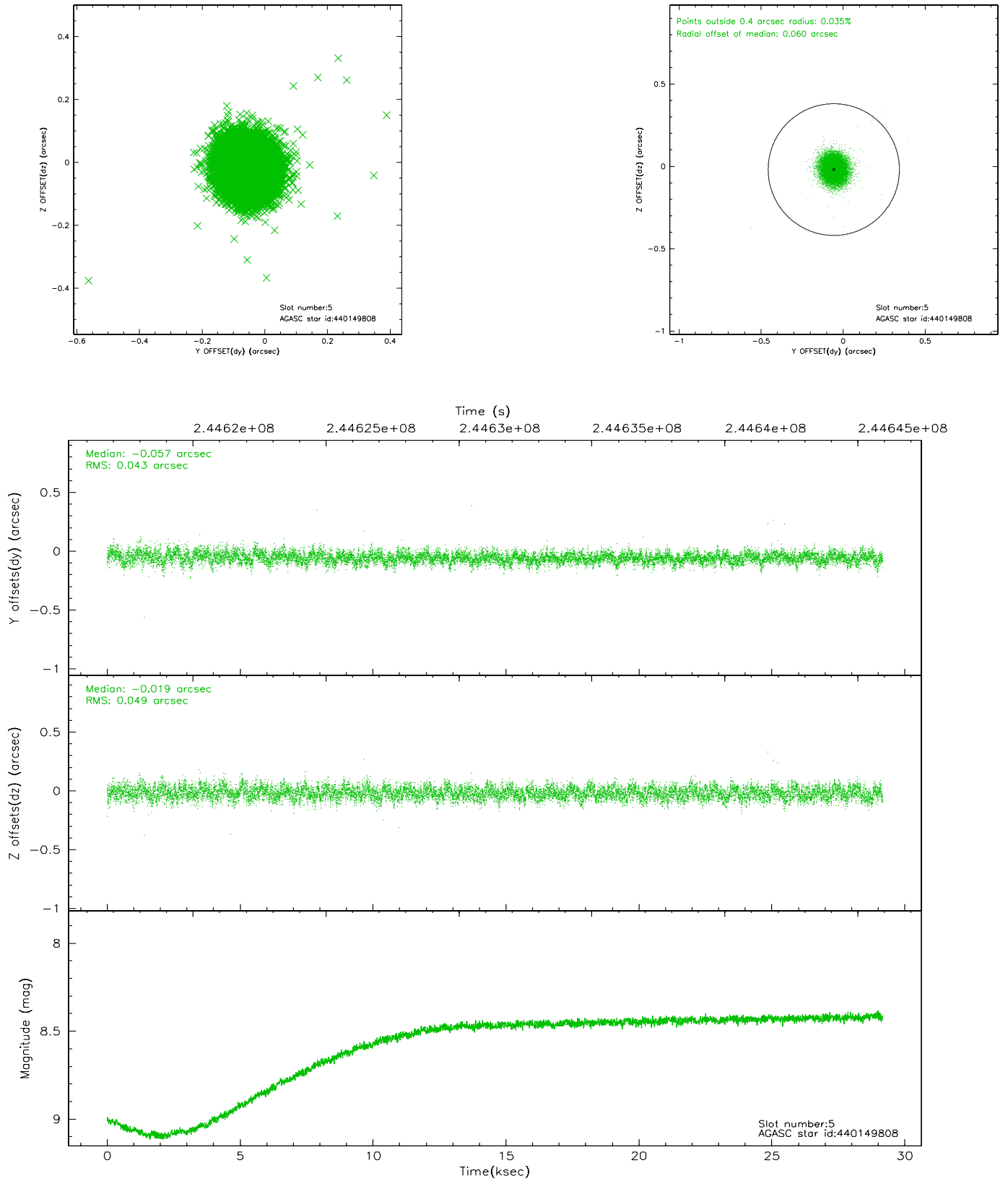
2.4.1 Slot 3



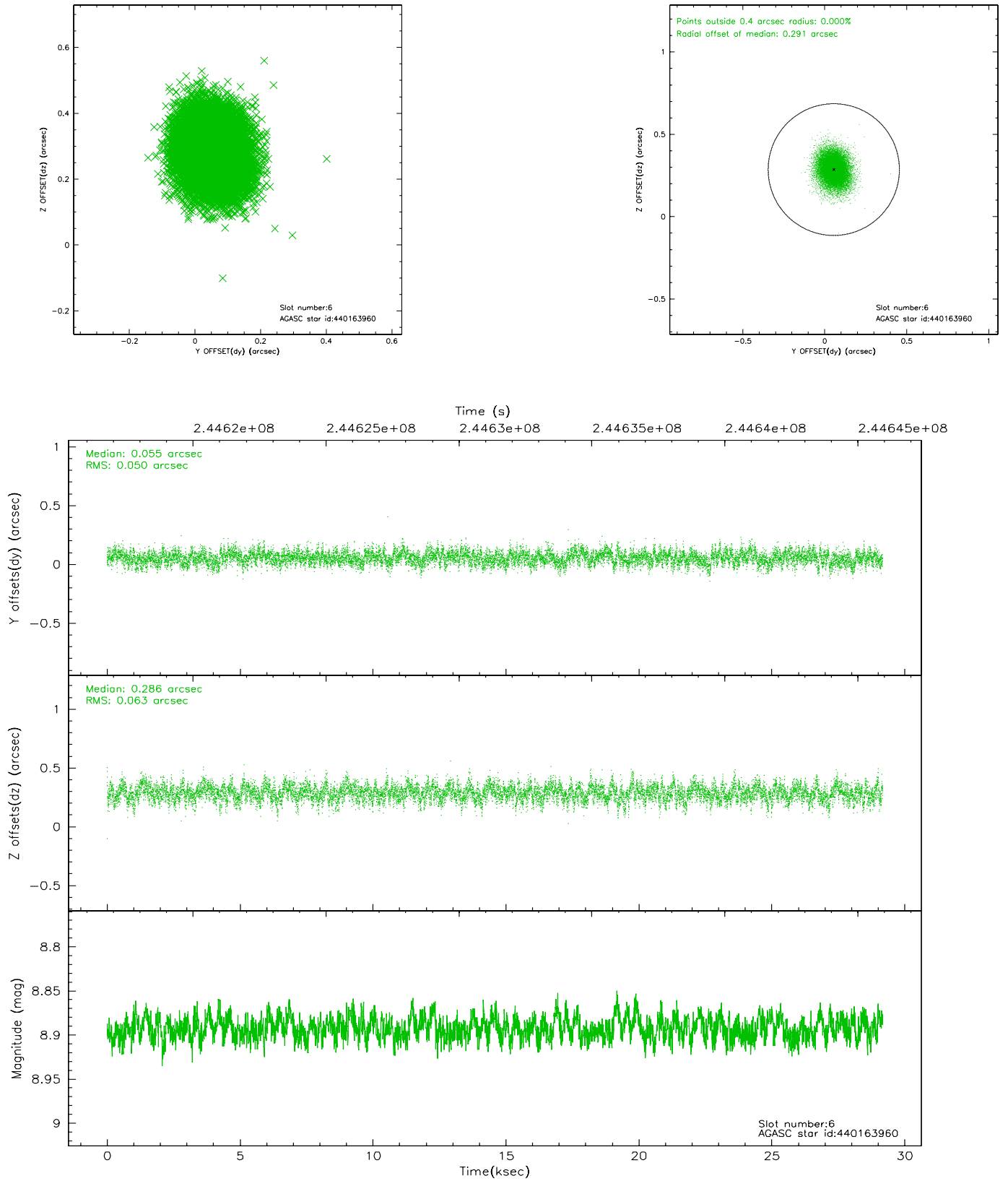
2.4.2 Slot 4



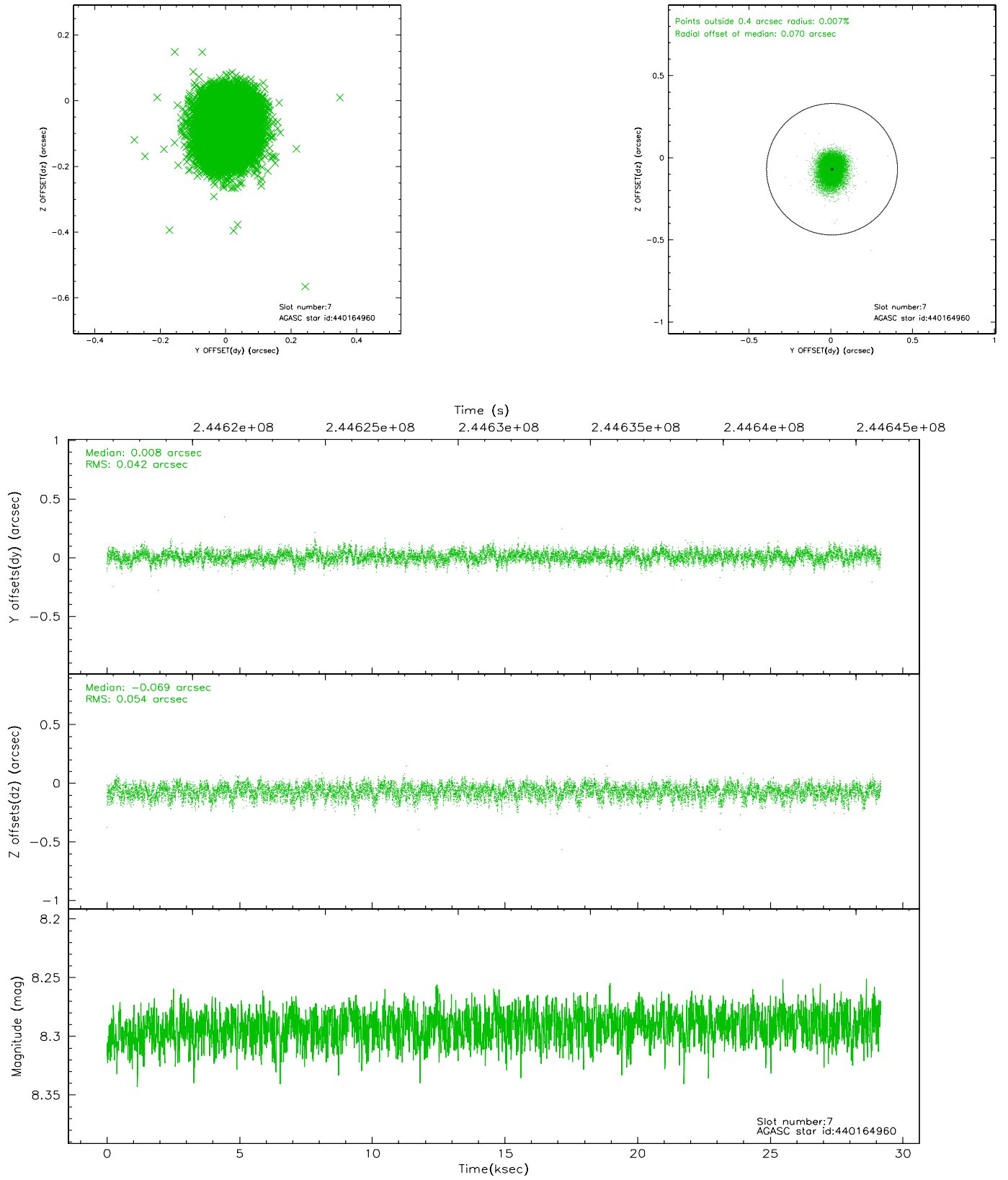
2.4.3 Slot 5



2.4.4 Slot 6

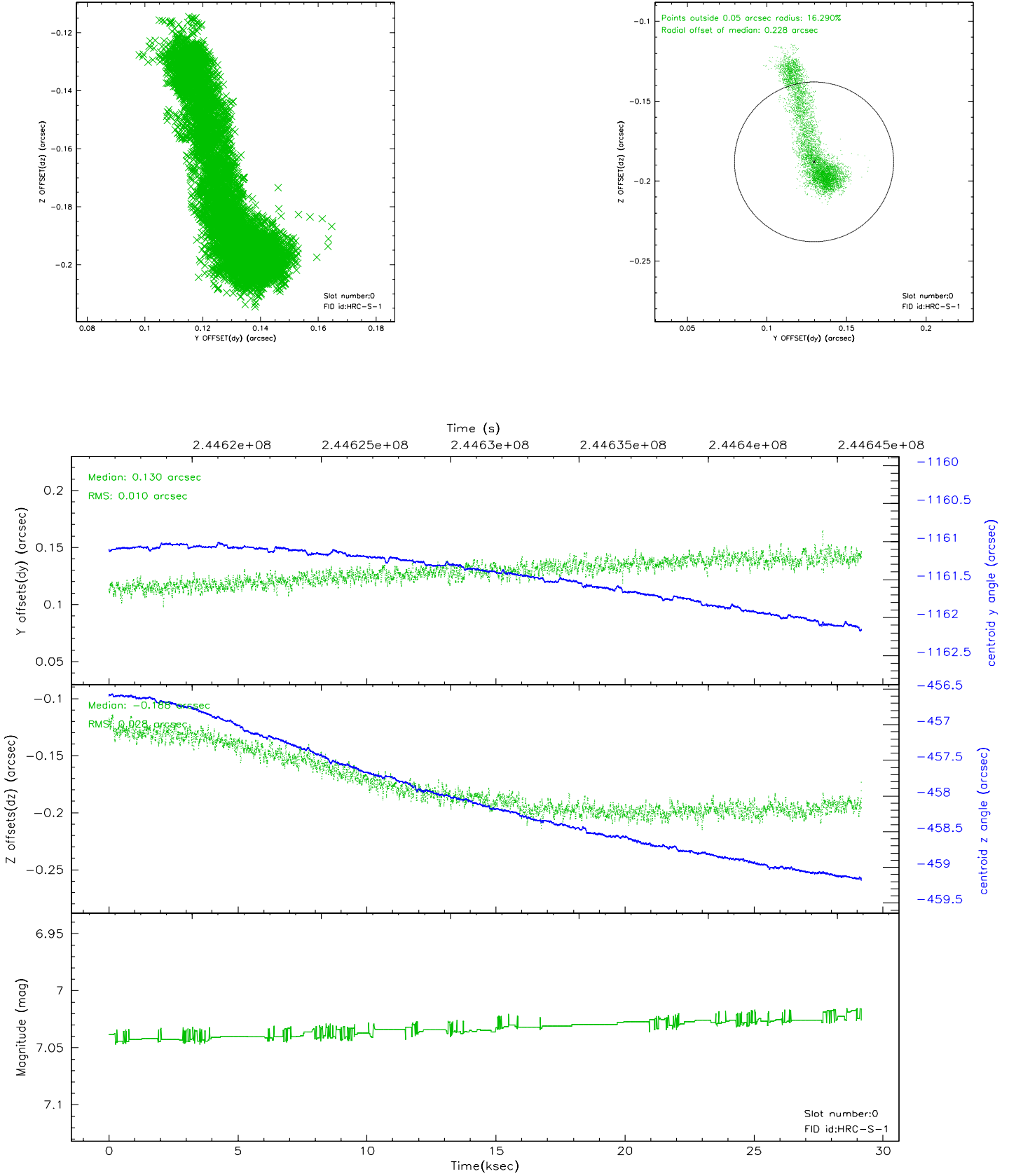


2.4.5 Slot 7

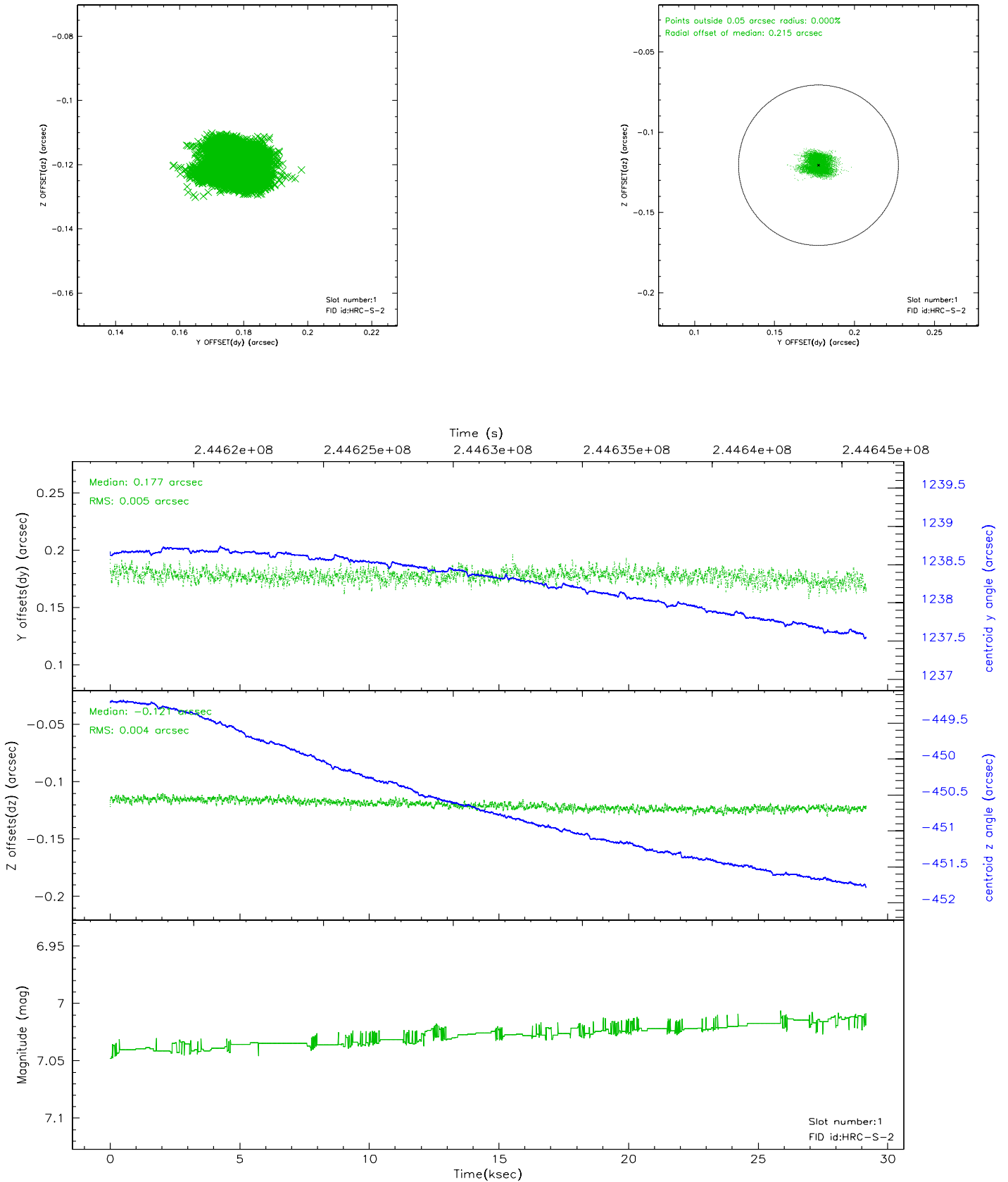


2.5 FID Slots

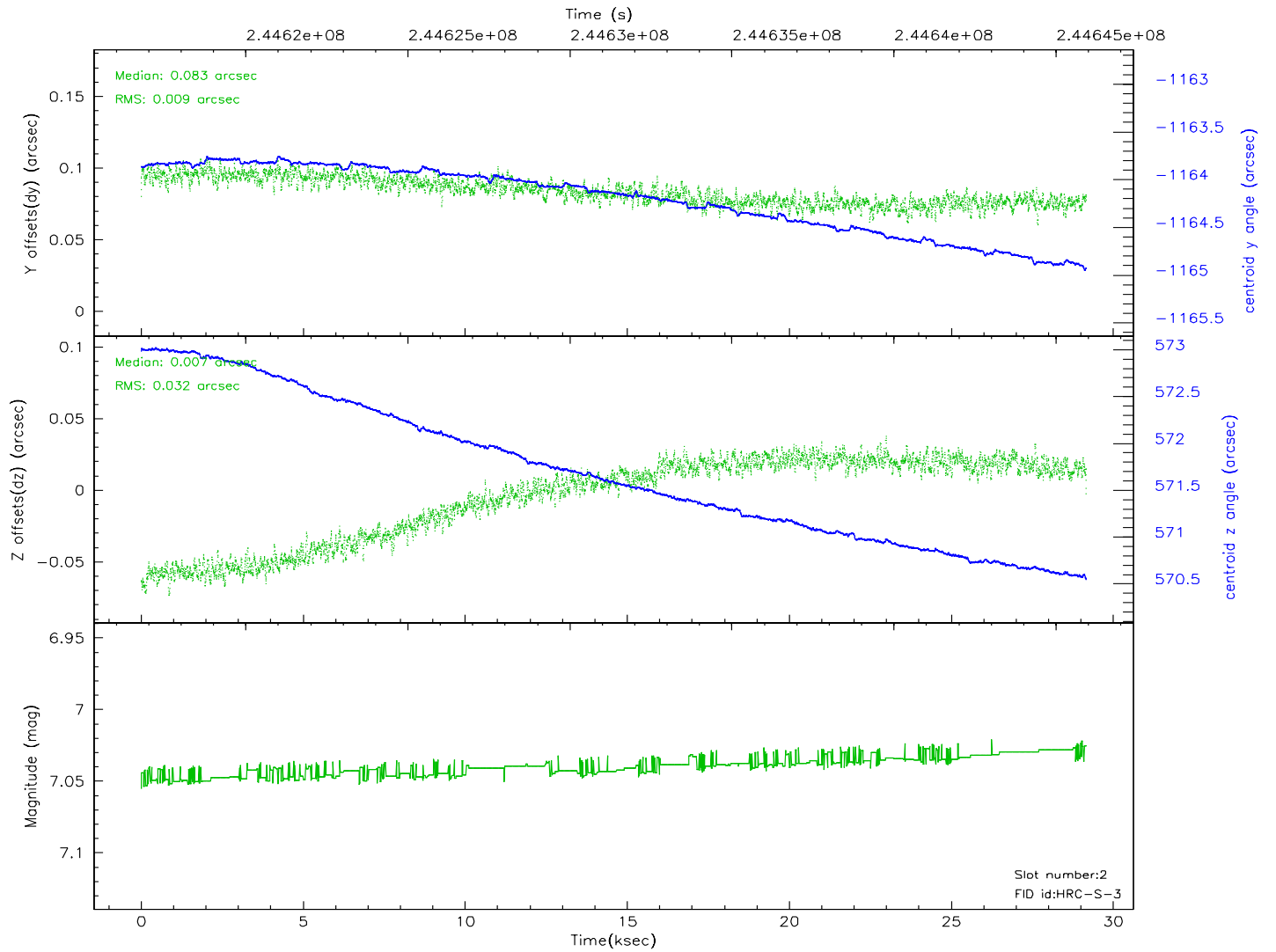
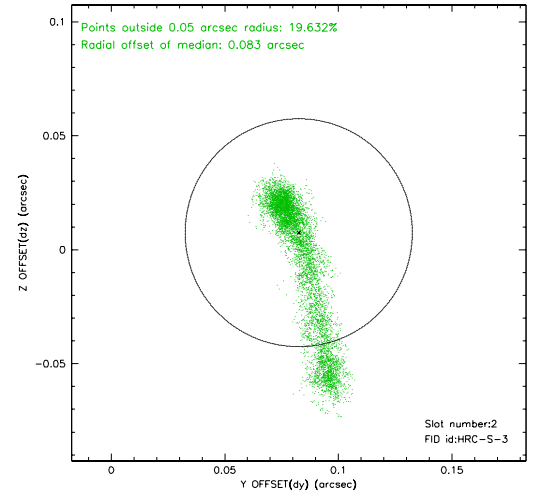
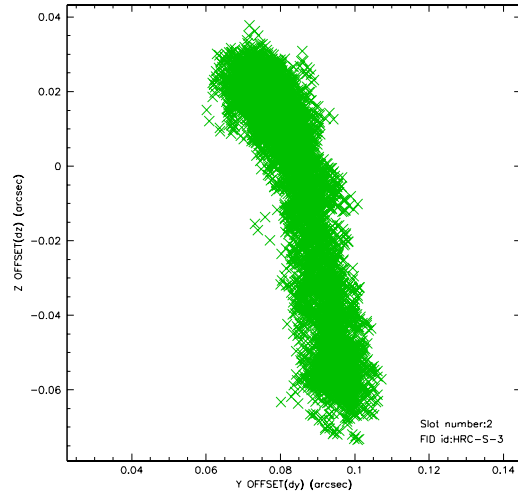
2.5.1 Slot 0



2.5.2 Slot 1

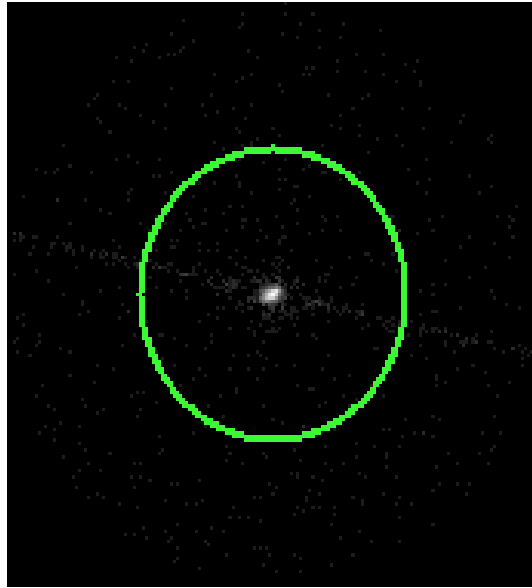


2.5.3 Slot 2



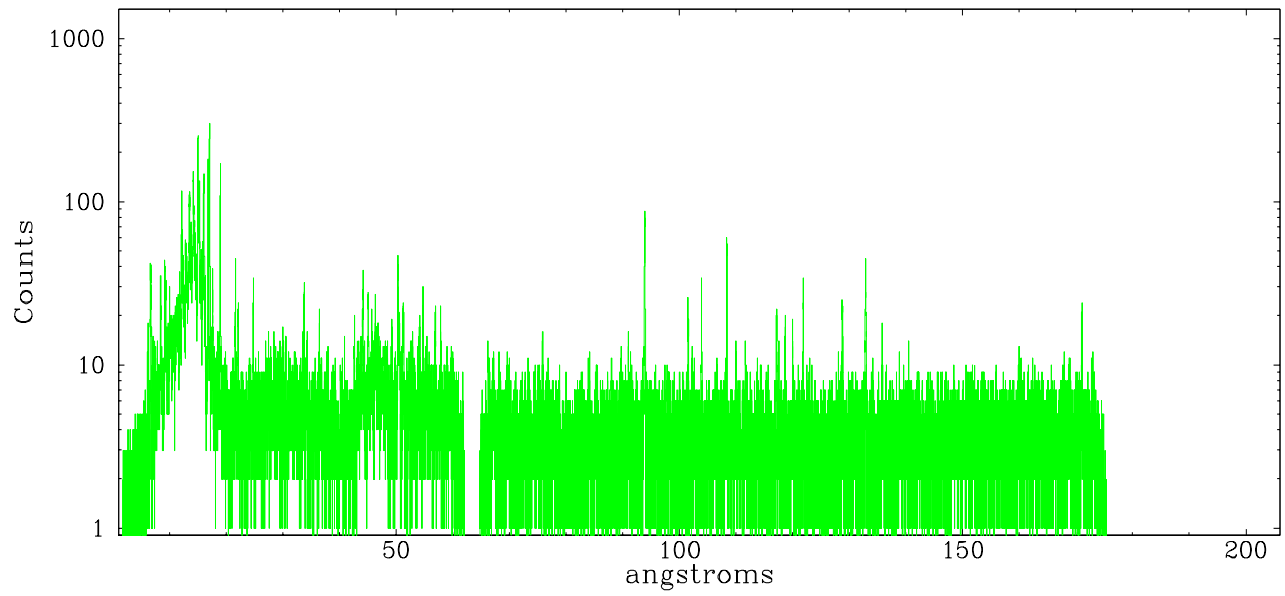
3 Gratings

3.1 LETG Arm

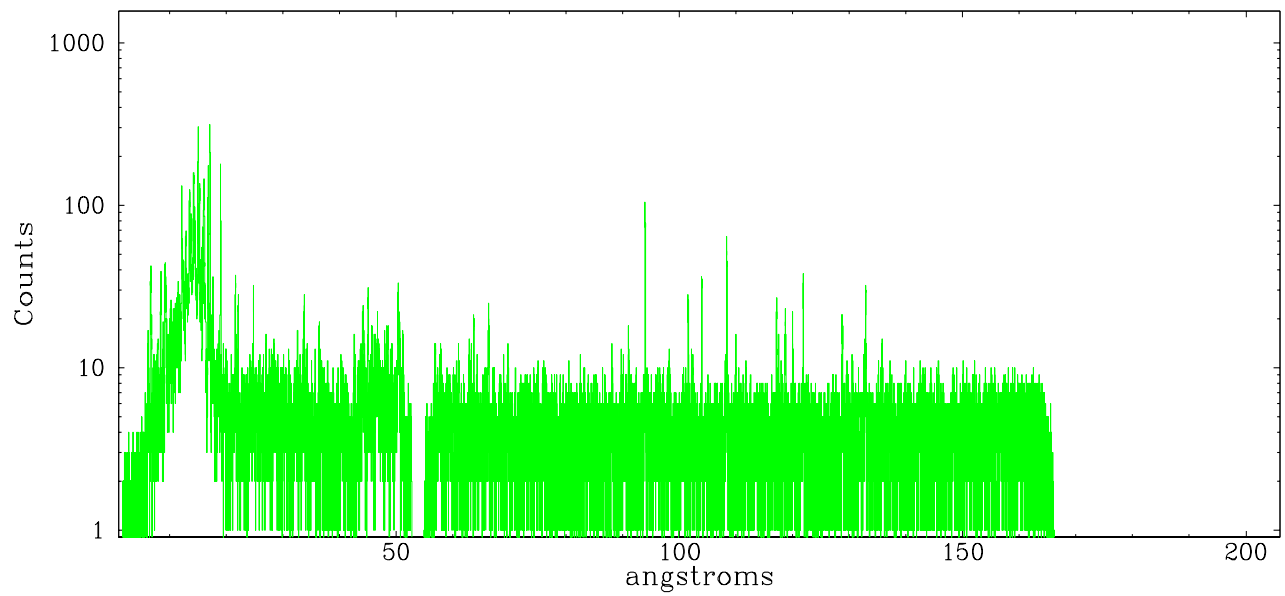


LETG Zero Order

leg order -1



leg order +1



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.17278

A.2 Comments

Window constraint satisfied.